

| Form PTO-1449<br>(REV. 7-80) U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE   |   | Atty. Docket No.<br>15201            | Serial No.<br>10/046,961                   |                     |          |   |
|---|---|--------------------------------------|--|---------------------|----------|---|
| <b>LIST OF PRIOR ART<br/>CITED BY APPLICANT</b><br><small>(Use several sheets if necessary)</small>   |   | Applicant<br>Heikki Heikkila, et al. | <i>RECEIVED<br/>MAY 2 2002<br/>TC 1700</i> |                     |          |   |
|   |   | Filing Date<br>January 14, 2002      |  | Group<br>Unassigned |          |   |
| <b>U.S. PATENT DOCUMENTS</b>  |   |                                      |  |                     |          |   |
| EXAMINER INITIALS   | DOCUMENT NUMBER   | DATE                                 | NAME                                       | CLASS               | SUBCLASS | FILING DATE<br>(if appropriate)                                     |
| AA  | 4,734,162   | 03/29/88                             | Ampulski                                   | —                   | —        |   |
| AB  | 3,954,497   | 05/04/76                             | Friese                                     | —                   | —        |   |
| AC  | 4,008,285   | 02/15/77                             | Melaja, et al.                             | —                   | —        |   |
| AD  | 4,070,232   | 01/24/78                             | Funk                                       | —                   | —        |   |
| AE  |   |                                      |  |                     |          |   |
| AF  |   |                                      |  |                     |          |   |
| AG  |   |                                      |  |                     |          |   |
|   | Foreign Document Number   | Date                                 | Country                                    | CLASS               | SUBCLASS | TRANSLATION   |
|   | 55516   | 08/10/79                             | Finland                                    | —                   | —        | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |
|   | WO 98/56958   | 12/17/98                             | PCT  | —                   | —        | <input checked="" type="checkbox"/>                                 |
|   |   |                                      |  |                     |          |   |
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|   |   |                                      |  |                     |          |   |
|   |   |                                      |  |                     |          |   |
|   |   |                                      |  |                     |          |   |
| <b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>   |   |                                      |  |                     |          |   |
|   | Paice, M.G. and Jurasek, L., "Removing Hemicellulose From Pulps by Specific Enzymic Hydrolysis", <i>J. Wood Chem. And Tech.</i> , 4(2), pp. 187-198 (1984)  |                                      |  |                     |          |   |
|   | Guangyu, Yao et al., "Production of Pulp and Recovery of Xylose from Hardwood. II. The Optimal Process Conditions for Prehydrolysis of Eucalyptu Citriodora Chips with Dilute Sulphuric Acid and Sulfate Pulping", <i>Journal of Nanjing Technological College of Forest Products</i> , No. 4, p. 32 (1988) |                                      |  |                     |          |   |
|   | STN International, file CAPLUS, CAPLUS accession no. 1980:550586, Document no. 93:150586, Kramar, Alojz et al., "Pentoses from beech bark"; and Czech. CS 181485 19800115, 3pp.   |                                      |  |                     |          |   |
| EXAMINER  | <i>Joe A. Fortune</i>   |                                      | DATE CONSIDERED                            | 10/16/03            |          |   |
| <small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> |   |                                      |  |                     |          |   |